

LAYER TRANSFER METHODS

ABSTRACT

Methods for transferring a layer of material from a source substrate having a
5 zone of weakness onto a support substrate to fabricate a composite substrate are
described. An implementation includes forming at least one recess in at least one of
the source and support substrates, depositing material onto at least one of a front face
of the source substrate and a front face of the support substrate, pressing the front
faces of the source and support substrates together to bond the substrates, and
10 detaching a transfer layer from the source substrate along the zone of weakness.
When the front faces are pressed together, any excess material is received by the
recess. The recess may advantageously include an opening in the front face of at least
one of the source substrate and the support substrate.

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